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ABSTRACT

Parental involvement is critical to a child's success in school. This handbook provides parents with information about the Grade 4 curriculum in Alberta, Canada. Based on the Alberta Education "Program of Studies: Elementary Schools," the handbook describes the knowledge, skills, and attitudes students in Alberta are expected to demonstrate when they have completed the Grade 4 curriculum, including samples of what students are expected to learn in each subject. Following introductory material, sections include: (1) "What Is Curriculum?"; (2) "Language Arts"; (3) "Mathematics"; (4) "Science"; (5) "Social Studies"; (6) "Learner Outcomes in Technology"; (7) "Physical Education"; (8) "Health"; (9) "Fine Arts"; and (10) "Languages Other Than English." The handbook concludes with a one-page questionnaire asking for feedback on the handbook. (LPP)

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Curriculum Handbook *for* **Parents**

1998–1999

GRADE 4

Table of *Contents*

Message from the Minister of Education	*iii*
Introduction to the Grade 4 Handbook	*iv*
Introduction to the Elementary School Curriculum	*1*
What Is Curriculum?	*2*
Language Arts	*3*
Mathematics	*4*
Science	*10*
Social Studies	*13*
Learner Outcomes in Technology	*15*
Physical Education	*15*
Health	*17*
Fine Arts	*19*
Languages Other Than English	*21*
Feedback	*25*

Message from the
Minister of Education

While students are at the centre of the education system, you, as parents are a vital partner. Your involvement in your child's education is critical to his or her success. To be the pathfinder, to help your child, you need to know what s/he is learning and when.

The *Curriculum Handbook for Parents* series is your guide to each stage of learning. It is a clear outline of what we expect our students to learn at each stage of their education. When you know what is expected at school, you can provide the home support students need. By reading about what your student is learning at school and discussing it at home, you do more than learn what is happening at school. You show your child that you value education.

This is the second edition of the handbook series. It reflects suggestions of parents, teachers and other education partners. I would like to thank those people whose comments helped us improve this edition.

I also would like to thank the eight school boards who worked on the development of the original handbooks – Edmonton Public, Edmonton Separate, Elk Island, Sturgeon, St. Albert Protestant, Greater St. Albert Catholic, Sherwood Park Separate and Black Gold.

Gary G. Mar, Q.C.
Minister of Education
M.L.A., Calgary Nose Creek

Introduction to the Grade 4 Handbook

This handbook provides parents with information about the Grade 4 curriculum—the knowledge, skills and attitudes students in Alberta are expected to demonstrate when they have completed the Grade 4 curriculum. It is based on the Alberta Education *Program of Studies: Elementary Schools*. The handbook includes samples of what students are expected to learn in each subject. The complete curriculum for Grade 4 is available in all Alberta elementary schools.

Curriculum Handbook for Parents, 1998
Alberta Education, Alberta, Canada

Introduction

TO THE ELEMENTARY SCHOOL CURRICULUM

Alberta Education specifies what all students in Grade 1 to Grade 6 are expected to learn and be able to do. The curriculum is organized into separate subjects or course areas and is designed to enable teachers to make connections across subjects, and to develop programming that accommodates a range of student needs. We expect that teaching methods and schedules will vary from school to school and from class to class to meet the diverse learning needs of students.

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What Is Curriculum?

Curriculum describes what students are expected to learn. In Alberta, curriculum is developed by Alberta Education and is described in documents called programs of study for elementary, junior high and senior high schools.

The curriculum specifies what all students in the province are expected to learn in each subject area at each grade level. It is developed by Alberta Education in consultation with teachers, administrators, parents, representatives from post-secondary institutions, and professional and community groups.

Teachers are responsible for using the curriculum to plan their teaching activities and set appropriate levels of challenge according to students' learning needs and abilities. Teachers regularly assess student progress and report to parents, students and school administrators.

As well as being assessed by their teachers, students write provincial achievement tests in grades 3, 6 and 9. Grade 3 students write achievement tests in language arts and mathematics. Grades 6 and 9 students write achievement tests in language arts, social studies, mathematics and science. The results of these achievement tests are provided to school boards and schools. Parents may ask for their child's test results at their local school.

Information about provincial achievement testing in grades 3, 6 and 9 is provided in an Alberta Education publication called, *Parent Guide to Provincial Achievement Testing*. Individual guides for Grade 3 and for Grade 6 are available in elementary schools. The Grade 9 guide is available in junior high schools. The publications also may be obtained from Alberta Education's Student Evaluation Branch by calling 403–427–0010 or, outside of Edmonton, dial 310–0000 to be connected toll free.

Language Arts

Throughout elementary school, students are expected to use language to learn, and learn to use language. Language is an integral part of learning, and takes place in and across all subject areas. Student performance in all subject areas is influenced by competency in language arts.

As students move from grade to grade, they use the language skills they have already learned through reading, writing, listening, speaking and viewing to increase their knowledge and skills of language. Opportunities are provided for students to use those skills in a new context and with more challenging learning materials. In language arts, students will demonstrate increasing confidence and improve their abilities to use language to explore, construct and communicate meaning.

By the end of Grade 4, students are expected to:

- produce sentences with subject–verb agreement and correct pronoun referents
- use punctuation to set out ideas in series or lists
- use paragraphs or quotation marks to indicate new speakers in written dialogue
- use a variety of clues, such as picture clues, context clues and illustrations, to predict the probable content or events in a variety of fiction and nonfiction text
- ask questions to extend their understanding of the concepts or ideas they are discussing or reading
- use text features, such as table of contents, chapter headings, index, glossary and bibliography to assist them as readers and writers
- understand the organization and structure of books, news reports and articles to assist them as readers and writers
- recognize that plot is the action of a story and is built around the main character(s) in a story
- recognize relationships among settings, events, characters and ideas in both fiction and nonfiction
- identify change or growth in fictional characters
- identify techniques used by authors to develop their readers' understanding of an insight into characters
- recognize the characteristics of biography, autobiography, historical fiction, science fiction, myth and poetry
- differentiate between important ideas and supporting details in their reading and listening
- summarize, from several sources, information and ideas on a particular topic
- determine the point of view presented by a speaker
- determine a writer's or speaker's purpose
- determine feelings or attitudes presented by a writer or speaker

- defend or support their opinions or interpretations of ideas encountered in their reading or listening
- paraphrase, elaborate or extend the ideas of others as part of a group setting
- develop criteria for assessing their effectiveness in presenting ideas or information
- judge the effectiveness of a presentation, according to a set of criteria
- respond to the writing of their peers, by commenting on elements of style, development, organization and style
- experiment with a variety of language formats
- use descriptive language to assist them in their reading, writing and talking
- focus their writing and speaking on a topic or theme, by connecting introduction, development and conclusion
- combine similar ideas within sentences, using joining words and appropriate punctuation
- use dialogue in their stories to advance the plot and develop character
- provide logical explanations or instructions related to concepts, ideas or processes
- publish their writing for known and unknown audiences.

Mathematics

Mathematics is a common human activity, increasing in importance in a rapidly advancing, technological society. A greater proficiency in using mathematics increases the opportunities available to individuals. Students need to become mathematically literate in order to explore problem-solving situations.

At all levels, students benefit from working with appropriate materials, tools and contexts when constructing personal meaning about new mathematical ideas.

The main goals of mathematics education are to prepare students to:

- use mathematics confidently to solve problems
- communicate and reason mathematically
- appreciate and value mathematics
- commit themselves to lifelong learning
- become mathematically literate adults, using mathematics to contribute to society.

As students acquire the specified outcomes, they will also be expected to use the following seven mathematical processes:

Communication
Connections
Estimation and Mental Mathematics
Problem Solving
Reasoning
Technology
Visualization

The mathematics content is organized into four strands:

Number
Patterns and Relations
Shape and Space
Statistics and Probability

Number

By the end of Grade 4, students will:

◆ Demonstrate a number sense for whole numbers 0 to 10 000, and explore proper fractions.

Sample Student Tasks

- Use words to write the number that is:
  150 less than 500
  275 greater than 450
  895 rounded to the nearest ten
  895 rounded to the nearest hundred.
- Let the base-10 flat represent one whole square. Use centimetre cubes to build a one-layer shape that is less than one whole square. Record your shape on cm grid paper. Write a fraction and a decimal to tell how much of the square is covered by your shape. Is not covered by your shape.

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- Apply arithmetic operations on whole numbers, and illustrate their use in creating and solving problems.

Sample Student Tasks

- Each week day a mail truck leaves the city post office to deliver mail to our town. The distance to the city and back to our town is one hundred thirty-four kilometres.
  Use base-10 blocks to show how you could represent the number of kilometres the mail truck travels each week.
  Show how you might use numbers to calculate the total number of kilometres travelled in one week.
- Use a calculator to find two numbers whose product is 462. How many such numbers are there?
- Fill in the missing numbers.

- Use and justify an appropriate calculation strategy or technology to solve problems.

Sample Student Tasks

- Explain how you can find the answers to the following questions faster by using mental mathematics strategies rather than by using a pencil and paper algorithm or the calculator.
  $3 \times 204 = ?$
  $56 \div 9 = ?$

- Demonstrate an understanding of addition and subtraction of decimals.

Sample Student Tasks

- Show how you can solve the following problems, using base-10 blocks.
  Diana bought a magazine priced at $1.49 and a package of doughnuts priced at $2.18. What was the total cost, before taxes?
  Sam had a roll of paper 4.2 m long. After he cut off a piece to make a banner, there were 2.5 m left on the roll. How long was the piece he cut off?

Patterns and Relations

By the end of Grade 4, students will:

- Investigate, establish and communicate rules for, and predictions from, numerical and non-numerical patterns, including those found in the community.

Sample Student Tasks

- Bees made a honeycomb. They started on day 1 with the middle cell. Each day they added another ring of cells all around the honeycomb.
  How many cells were there after the 7th day?
  What was the first day on which there were more than 1000 cells?

Shape and Space

By the end of Grade 4, students will:

- Estimate, measure and compare, using decimal numbers and standard units of measure.

Sample Student Tasks

- Measure a variety of items in the room.
  Make a list and record the measurements without the unit of measure. Exchange papers with a friend who must complete the list by adding the units; e.g.,
  My pencil is 172 _____ long.
  My book is 0.8 _____ thick.
  Prepare a second list changing the unit of measure. For example, measure the pencil in mm, and write: "My pencil is 172 cm long." Leave out the decimal point. The friend must decide where to place the decimal point.

- The following plastic containers have elastic bands placed at different heights: a 750-mL cooking oil bottle, a 600-mL vinegar bottle, a 2-L drink bottle and a 1-L drink bottle. Estimate the number of mL needed to fill each container to the elastic band. Order your estimates. Find containers like the ones shown, and measure to check your predictions.

- Jill's great-grandmother was born in the first decade of the 20th century. What might have been her year of birth? Explain. The year 2001 will begin the 3rd millennium. Will you be living by the first year of the 4th millennium? Why or why not?

◆ Describe, classify, construct and relate 3-dimensional objects and 2-dimensional shapes, using mathematical vocabulary.

Sample Student Tasks

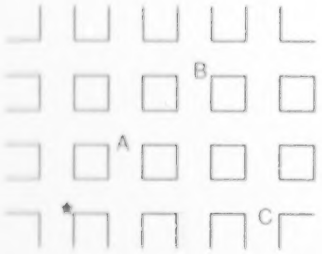
- Demonstrate each step of the following activity on a 5 by 5 geoboard. Record each step on geodot paper.

  Outline the largest possible rectangle that is not square. Use an orange marker.
  Identify the number of points touched by the outline. Colour them brown.
  Place a geoband that is equal in length and perpendicular to a short edge but is not a line of symmetry. Use a yellow marker.
  Place a geoband that is equal in length and parallel to a short edge but is not a line of symmetry. Use a blue marker.
  Find a way to name and describe the location of the point where the perpendicular and parallel lines intersect. Colour it green.
  What fraction of the whole rectangle is each outlined part?

- Use numbers and direction words to describe the relative positions of objects in two dimensions, using everyday contexts.

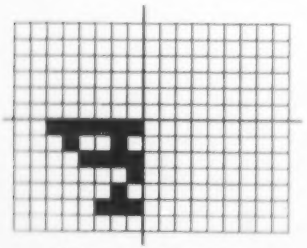
Sample Student Tasks

- On a simplified street map, locate special points of interest; e.g., store, school, mall, bridge; from a point of reference (home) ★. Describe the path from ★ to B, using directions, N, S, E, W.



- Complete each picture, using the lines of symmetry shown.

1 line of symmetry



2 lines of symmetry

Statistics and Probability

By the end of Grade 4, students will:

- Collect first- and second-hand data, assess and validate the collection process, and graph the data.

Sample Student Tasks

- A Grade 4 class wants to learn if more families make popcorn at home in the microwave than by any other method.
  - How might they word their question?
  - Whom should they survey? Why?
  - What method should they use to best keep their information organized? Explain with words and a drawing.

◆ Design and use simple probability experiments to explain outcomes.

Sample Student Tasks

- For each of the following, draw a spinner that matches the statement.
  - It is impossible to land on 5.
  - You are more likely to land on red than on green.
  - It is equally likely that the spinner will stop on red, yellow, blue or white.
  - You are certain to spin an even number.

Science

Learning about science helps students to understand and interpret the world around them. The purpose of the program is to encourage and stimulate children's learning by nurturing their sense of wonderment, by developing skill and confidence in investigating their surroundings, and by building a foundation of experience and understanding upon which later learning can be based.

In elementary science, students develop their skills of inquiry and problem solving. In science inquiry, the focus is on asking questions, exploring materials and finding answers based on evidence. In problem solving, the focus is on practical tasks—finding ways of making and doing things to meet a specific need, using available materials.

By the end of Grade 4, students are expected to:

- identify patterns and order in objects and events studied
- record observations, using pictures, words and charts, with guidance in the construction of charts
- make predictions and generalizations, based on observations
- investigate a practical problem, and develop a possible solution.

The science program also plays a role in the development of student attitudes. At all levels of the elementary science program, students are expected to demonstrate positive attitudes toward the study of science and the application of science in responsible ways.

Five topics are identified for Grade 4.

Waste and Our World

Students learn about wastes produced through natural processes and human technology. In studying natural systems, students learn that all plants, animals and other living things are made up of materials that are recycled through the environment again and again. In studying human consumption and wastes, students identify wastes produced within their community and learn the methods used for disposal. They learn that some waste materials are biodegradable, that some are reusable, and that others are toxic. They learn that personal action in reducing, reusing and recycling materials can help decrease the waste we accumulate.

By the end of Grade 4, students are expected to:

- recognize that human activity can lead to the production of wastes, and identify alternatives for the responsible use and disposal of materials.

Wheels and Levers

Students learn about basic components of simple machines: how they are assembled, how they operate, how they are used. Students explore different techniques that can be used to transfer motion from one component to another, using simple connectors and various levers, gears, pulleys and band driven systems. As they work with these components, they learn the functions that each can perform, including sample applications and ways that they can be used in a larger system. As part of their studies, they examine how these simple machines are used to change the speed or force of movement.

By the end of Grade 4, students are expected to:

- demonstrate a practical understanding of wheels, gears and levers by constructing devices in which energy is transferred to produce motion.

Building Devices and Vehicles that Move

Students apply simple techniques and tools in building devices and vehicles that move. In constructing these objects, students apply previous learnings and structures and explore new applications for wheels, rollers, gears, pulleys and a variety of levers and connectors. They learn that different forms of energy can be used to propel their model devices: in some cases, a direct push; in other cases, the stored energy from a compressed spring or falling weight. On completing their projects, students learn to evaluate their work, by describing the effectiveness of the device and the appropriateness of materials used.

By the end of Grade 4, students are expected to:

- construct a mechanical device for a designated purpose, using materials and design suggestions provided
- explore and evaluate variations to the design of a mechanical device, demonstrating that control is an important element in the design and construction of that device

Light and Shadows

Students learn about light by studying the effects of light on things within their environment. They learn about light sources, about materials that light can pass through and about what happens when a material blocks or changes the path of light. By observing shadows and their motions relative to a light source, students discover that light and shadows fall along a predictable path. They discover that mirrors, prisms and a variety of other materials can affect that path by reflecting and refracting light and by splitting light into colours.

By the end of Grade 4, students are expected to:

- identify sources of light, describe the interaction of light with other materials, and infer the pathway of a light beam

Plant Growth and Changes

Students learn about the structure and growth of plants by raising plants in the classroom and by observing plant growth within the community. They learn to recognize and describe different forms of leaves, stems, roots and flowers, and learn their functions in supporting the growth and reproduction of the plant. They learn various ways of starting new plants and the plants' requirements for growth. Through hands-on activities, students learn that different plants have different needs, and they gain skills and attitudes for their care.

By the end of Grade 4, students are expected to:

- demonstrate knowledge and skills for the study, interpretation, propagation and enhancement of plant growth

Social Studies

In social studies, students develop the knowledge, skills and positive attitudes they need to be responsible citizens and contributing members of society. Students learn to acquire and evaluate information and ideas. They learn to interact with others and develop understanding and respect for people in Canada and other countries. The focus of the Grade 4 social studies program is Alberta—its geography and people, and the similarities between Alberta and Quebec.

Three topics are identified for Grade 4.

Alberta: Its Geography and People

Students learn about the geography of Alberta; the regions and natural resources. Throughout the unit, emphasis is placed on the interrelationship between people and their environment, as well as the impact people have on their environment. Students examine how natural resources are used and the resulting impact on Albertans and the environment. The intent of the topic is to develop an increased sensitivity to the importance of using natural resources wisely.

By the end of Grade 4, students are expected to:

- understand that the environment can affect the way people live
- understand that our way of life and our environment are affected by the presence and use of natural resources
- understand that conservation is important to Alberta's future
- use and interpret aerial maps of Alberta
- make an outline map of Alberta, accompanied by symbols and a legend showing major cities, mountains and main rivers
- demonstrate concern for the needs and future of Albertans
- cooperate in efforts to conserve natural resources.

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Alberta: Its People in History

Students learn about the people who have contributed to Alberta's history and development, beginning with the original inhabitants, and tracing the origin of people in Alberta's history. This topic focuses on the lives of Albertans through case studies of a Native community, a fur trading settlement and one or more of:

- a homestead settlement (1890–1939)
- immigration of a specific group into a specific area (1880–1930)
- the Great Depression (1929–1939)
- World War II (1939–1945)
- boom years (1947–).

The intent of this topic is to show students that a changing world often results in a changing lifestyle.

By the end of Grade 4, students are expected to:

- understand that contact between the Natives, the fur traders and the settlers in Alberta's history brought changes to their lifestyle
- understand that Albertans have been affected by historical events
- understand that Albertans, throughout the history of Alberta, have contributed to its development
- use historical maps and map legends to locate the territories occupied by different Native tribes, major fur trading posts and communities being studied
- identify how events in Alberta's history affected the lifestyle of Albertans
- appreciate the contributions made by many people/groups in Alberta's history
- appreciate and tolerate the decisions made by Albertans in different times and under different circumstances.

Alberta: A Comparative Study with Quebec

Students learn about the similarities between Alberta and Quebec. Geography, resources, occupations, leisure activities, language and customs are compared in the study, but the main emphasis is on people. The links that exist between the provinces, as well as the contributions of Albertans and Quebecois to the Canadian way of life, are examined. The intent of the topic is to develop an awareness of Canada as a bilingual country, and to develop understanding, appreciation and increased sensitivity to another region of Canada that has similarities and differences.

By the end of Grade 4, students are expected to:

- understand that there are similarities and differences between Alberta's and Quebec's geography and lifestyle
- understand that Canada is a bilingual country
- understand that Quebecois and Albertans have contributed to the Canadian way of life

- use maps of Canada to find Alberta's location relative to Quebec and the other provinces
- express ideas on the similarities and differences between Alberta and Quebec
- appreciate the many similarities and differences shared by Canadians
- appreciate the bilingual nature of Canada.

Learner Outcomes in Technology

Alberta Education has prepared a framework of technology outcomes that students should achieve by the end of grades 3, 6, 9 and 12. Implementation of the technology outcomes will occur in September 2000. These outcomes are intended to be integrated in a variety of existing programs, such as English, mathematics, science and social studies. The information and communication technology outcomes that have been developed are considered basic knowledge and skills that all students will need as they progress through their schooling and in the future for preparation for further study or the workplace.

Physical Education

Physical education programs foster active, healthy lifestyles that enable students to recognize the importance of accepting responsibility for their physical, social and emotional well-being. Students in a well-balanced physical education program are provided with learning opportunities in seven dimensions of activity: physical fitness, games, gymnastics, dance, outdoor pursuits, aquatics, and track and field. The expectations for physical education are generally the same for students in grades 4, 5 and 6. Students are expected to demonstrate increased levels of performance over the three years.

Physical Fitness

Students are expected to:

- understand the effects of exercise on major muscles, bones and joints
- learn to assess personal fitness levels
- experience success and enjoyment through participation in physical fitness activities.

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Games

Students are expected to:

- move into spaces to avoid others
- understand the difference between offence and defence
- cooperate in partner and small group situations.

Gymnastics

Students are expected to:

- stretch and curl the body when moving or balancing
- understand safety principles as they apply to gymnastic activity
- appreciate the performance of self and others.

Dance

Students are expected to:

- participate in a variety of rhythmic dance forms
- understand personal space and general space
- appreciate the aesthetics of dance.

Outdoor Pursuits

Students are expected to:

- apply and extend basic movement skills in outdoor pursuits
- understand applications of orienteering skills, such as using a compass to determine direction
- enjoy participation in outdoor games that require minimal organization.

Aquatics

Students are expected to:

- improve physical fitness through vigorous aquatic activities
- understand safety principles as they apply to activities in, on or near water.

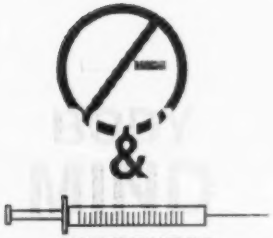
At least one exposure to a swimming and water safety program is required during the elementary years.

Track and Field

Students are expected to:

- throw small objects for distance
- understand the basic techniques applied to running, jumping and throwing events
- demonstrate responsibility and cooperation through involvement in the track and field program.

Health



Health education fosters the growth of knowledge, skills, attitudes and lifelong behaviours that will enable the student to assume responsibility for healthful living and personal well-being. The curriculum is organized around themes: self-awareness and acceptance, relating to others, life careers, body knowledge and care, and human sexuality. Parents decide if their child will participate in classes about human sexuality.

The child abuse prevention unit is an optional part of the health program. If this unit is offered in the school, parents decide if their child will participate.

Self-awareness and Acceptance

Students learn to consider and appreciate their self-worth and the self-worth of others. They learn about human emotions and positive ways of expressing them. They also learn about personal characteristics and how their personal actions and decisions influence their relationships with others.

By the end of Grade 4, students are expected to:

- recognize that self and others change in many ways
- recognize that all feelings and emotions are normal and can be good
- learn the good and bad characteristics of personality.

Relating to Others

Students learn to appreciate the qualities of others. They learn how to develop and maintain healthful relationships, and they understand the importance of healthful relationships with others at school.

By the end of Grade 4, students are expected to:

- learn why everyone needs friends
- appreciate the needs of a new student.

Life Careers

Students learn to recognize their abilities and the abilities of others, and to understand the importance of work, occupations associated with work, and activities that help them prepare for work.

By the end of Grade 4, students are expected to:

- recognize the importance of sharing time and talents with others
- understand that career development is a lifelong process.

Body Knowledge and Care

Students learn the structure, function and development of the body, and appreciate the importance of good nutrition to good health. As well, students appreciate factors that contribute to healthful growth, understand how sickness and disease can be prevented, understand safety practices, and appreciate threats and aids to personal health and safety in their community.

By the end of Grade 4, students are expected to:

- recognize that teeth should last a lifetime
- identify nutritious foods
- understand the structure and function of the skin, hair and nails
- differentiate between prescription and nonprescription drugs
- identify people who could help a child who is being abused
- accept responsibility for disposing of wastes in appropriate receptacles.

Human Sexuality

Students are expected to understand the structure and function of the reproductive system, and to understand puberty and its associated changes. As well, they are expected to understand how human life is created.

By the end of Grade 4, students are expected to:

- learn that puberty brings body changes, including secondary sex characteristics
- understand the basic function of reproduction.

Fine Arts

Art

In the art program, students are expected to learn visual arts skills and concepts to interpret and communicate with visual symbols, to appreciate the cultural aspects of art, and to relate art to everyday life. The art curriculum has four major components:

reflection – responding to visual forms in nature and designed objects

depiction – developing imagery based on observations of the visual world

composition – organizing images and their qualities in the creation of works of art

expression – using art materials to make a meaningful statement

Students are expected to:

- analyze forms they see in nature and in man-made objects
- develop their own images of things that they see or imagine
- organize the images that they create
- use a variety of art materials
- use art for different purposes; for example, to illustrate stories, design fabrics and sculpt
- understand the contribution of art to our environment.

Drama

Drama is an optional program designed to be used as a separate subject or integrated with other subjects. In the drama program, students are expected to develop a positive self-concept by assuming other roles and acquiring dramatic skills. Eleven forms of dramatic expression are common components of an elementary drama program. The dramatic forms of expression include dramatic movement, mime, choral speech, storytelling, dramatization, puppetry, choric drama, readers' theatre, story theatre, playmaking and group drama.

Students are expected to:

- develop flexible, free and controlled movement
- learn to express themselves physically and imaginatively through movement and gesture
- recognize and reproduce the sounds of standard speech

- learn concepts of pitch, pace, pause, rate, intensity and volume
- accept role playing as a positive learning experience
- apply dramatization skills to puppetry by creating a character for a puppet
- speak with energy
- speak with an appreciation of the voice as an instrument
- develop appreciation for enjoyment of literature
- develop the ability to create a dramatic story
- cooperatively build a drama to solve problems

Music

In the music program, students are expected to develop an enjoyment of music, an understanding of a variety of music styles and an insight into music through meaningful musical activities, such as attending a concert or playing a musical instrument. The music program is developed around the concepts of rhythm, melody, harmony, form and expression. These concepts are learned through participating in six skill areas: listening, moving, singing, playing instruments, reading and writing, and creating.

By the end of Grade 4, students are expected to:

- identify the four families of musical instruments (strings, woodwind, brass and percussion)
- identify introductions, interludes and codas
- use planned body movements to illustrate rhythmic and/or melodic patterns
- sing two- and three-part rounds and descants
- respond to changes in tempo, dynamics and mood while singing
- demonstrate skills on many instruments; for example, autoharp, Latin instruments, ukuleles, handbells and strings
- recognize sixteenth notes and rests
- develop skill in writing rhythm patterns
- create introductions, interludes and codas for songs
- create new music

Languages Other Than English

French as a Second Language

In Alberta, French as a Second Language (FSL) is a program in which the French language is taught as a subject, often between 20 and 40 minutes a day, to help students to develop communication skills, language knowledge and cultural awareness in French.

Depending upon a school board's language policy, French as a Second Language in elementary schools may be offered as an optional program or it may be a compulsory program. School boards may begin the program at different grade levels, since the program is based on developing language proficiency over a grade or grades without being grade specific. Many schools start the elementary program in Grade 4.

The program is designed to teach students how to understand what they hear and read in French, and to communicate their ideas orally and in written form, using an approach that is based on real-life experiences and situations. Students will also acquire knowledge about local, provincial and national francophone groups to become more aware of their presence and to better understand them. Students learn the French language vocabulary and grammar through thematic activities and projects that are related to real-life language experiences. At the same time, students are taught specific language learning strategies that will help them become better second language learners.

The program is organized into three language proficiency levels—Beginning, Intermediate and Advanced. Each of these proficiency levels is then further divided into three sublevels. In elementary schools, students start at the Beginning Level and progress through the Beginning 1, Beginning 2 and Beginning 3 sublevels. It could take students one or more school years to reach a particular language proficiency level, depending upon when the students start the program and how much time is given to French instruction in the school.

The language content is based upon the concrete experiences of elementary students. These experiences provide a real-life context for understanding ideas in French and for communicating similar ideas. Each level has its own set of experiences that fall into the following areas:

Beginning 1

- School
- People Around Us
- Weather
- Animals
- Holidays and Celebrations

Beginning 2

- Community
- Clothing
- Exercise
- Food
- Housing

Beginning 3

- Activities
- Vacations
- Fine Arts
- Trades and Professions
- Hygiene and Safety

As students work through these experiences, they develop their ability to understand and communicate in French. At the end of each level, the students must demonstrate the following knowledge and skills:

Beginning 1

The ability to understand simple ideas contained in listening texts, such as the temperature in a weather forecast.

The ability to talk about concrete ideas, using simple sentences to identify, list or describe people, places or things, and to ask simple questions. For example, students could talk about their family by naming the members of the family, giving their ages and birthdays.

Beginning 2

The ability to understand simple ideas contained in listening texts, such as understanding directions to the corner store, and to understand simple reading texts, such as understanding the main food items on a menu.

The ability to talk and write about concrete ideas, using simple sentences to identify, list or describe people, places or things, and to ask simple questions. For example, students could provide their address, telephone number and order pizza over the telephone. They could also write a simple note to describe their house to a pen pal.

Beginning 3

The ability to understand simple ideas contained in listening texts, such as a recorded message of flight departure times, and to understand simple reading texts, such as the safety rules on a safety week poster.

The ability to talk and write about concrete ideas, using a number of simple sentences to identify, list or describe people, places or things, ask simple questions, give information and simple advice. For example, students could telephone a travel agency to ask for prices for different travel destinations. They could also write a simple announcement for the school's Night of Music concert to promote it in the community.

Once students have attained a Beginning Level 3 language proficiency, they then move into the next proficiency level, which is Intermediate Level 4.

French Immersion

French immersion is a program in which French is the language of instruction for a significant part of the school day. This program is designed for students whose first language is not French. Several subjects, or possibly all of them when students are in grades 1 and 2, are taught in French. The curriculum is identical to that offered in the regular English program. The major difference is that it is taught in French.

In addition to learning what is identified for courses such as mathematics, science and health, French immersion students also want to acquire full mastery of the English language, functional fluency in French, as well as an understanding and appreciation of the French culture. Graduates of a French immersion program are able and willing to participate with confidence and competence in French conversations on a variety of topics. Should they so wish, they are able to take further education as appropriate to their abilities and interests with French as the language of instruction. Finally, they are able to accept employment where French is the language of work.

French immersion students perform well in all subject areas on system-wide and provincial tests. This finding has been replicated many times not only in Alberta but across Canada.

A guide for parents of students in French Immersion, *Yes, You Can Help*, is available for purchase from the Learning Resources Distributing Centre at 403–427–2767 or, outside of Edmonton, dial 310–0000 to be connected toll free.

Native Languages

Blackfoot and Cree language and culture programs are designed to enable students to learn Native languages and to increase awareness of Native cultures.

Students are expected to:

- learn basic communication skills in Blackfoot or Cree
- develop cultural sensitivity and enhance personal development
- develop originality and creativity
- develop a desire to improve their competency in Blackfoot or Cree.

Ukrainian

The Ukrainian bilingual program is designed for native speakers of Ukrainian and for students who speak other languages and wish to learn Ukrainian.

Students are expected to:

- obtain specific information from teacher-selected sources
- recognize how to express personal feelings, ideas and opinions
- organize and present, effectively, information of interest to their peers
- share feelings; share and support ideas and opinions
- respond personally to a variety of literary forms
- use literature and other art forms to reflect creatively upon experiences of general interest
- recognize and be sensitive to differences or similarities in cultures
- recognize the contribution of the lifestyle of Ukrainians to the wider community

Other Languages

Locally developed language courses are available for Arabic, Cantonese, German, Hebrew, Mandarin, Polish and Spanish. Contact your school board office for information about which language programs it offers.

Feedback

Curriculum Handbook for Parents

Grade 4

We would like to know what you think about this handbook. Are you a:

_____ Parent

_____ Teacher (please indicate level) ____ Division 1, ____ Division 2, ____ Division 3

_____ School Administrator (please indicate level) ____ Division 1, ____ Division 2, ____ Division 3

_____ District Administrator

_____ Other (please specify) _____

1. I found this document:

   _____ extremely useful

   _____ useful

   _____ somewhat useful

   _____ not very useful

2. What could be done to make this document more useful?

   _____

   _____

3. Other comments and suggestions:

   _____

   _____

   _____

Thank you for your feedback.

Please send your response to:

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